

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and combinations of different designs and changes can readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described; and accordingly, all suitable modifications and equivalents that may be resorted to, should be considered as falling within the scope of the invention.

WHAT IS CLAIMED NEW IS AS FOLLOWS:

1. A vehicle including a frame and for pedal propulsion by a passenger seated therefrom, said vehicle including a pedal crank assembly journaled from said frame about a transverse axis, a seat mounted from said frame appreciably above and rearward of the axis of rotation of said pedal crank assembly such that a person seated on said seat in a substantially upright position may operatively engage and drive said pedal crank assembly with his or her feet, said vehicle including a drive wheel journaled therefrom, drive train structure drivingly connecting said pedal crank

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assembly to said drive wheel for rotation of said drive wheel in a direction opposite to rotation of said pedal crank assembly.

2. The vehicle of claim 1 wherein said frame comprises a bicycle frame, said drive wheel including at least one driven wheel gear equipped with a one-way clutch, a pedal crank drive wheel gear, said drive train structure including a closed loop drive chain drivingly connecting said pedal crank wheel gear to said drive wheel gear.
3. The vehicle of claim 2 wherein said closed loop chain includes two crossing reaches thereof.
4. The vehicle of claim 2 including at least one auxiliary wheel journaled from said frame, a drive chain being engaged with said auxiliary wheel and meshed with said pedal drive wheel gear and mounted on said driven wheel gear.
5. The vehicle of claim 2 including at least one auxiliary wheel journaled from said frame, a drive chain engaged with said auxiliary wheel and meshed with said driven wheel gear and mounted on said driven wheel gear.
6. The vehicle of claim 2 including at least one auxiliary wheel gear journaled from said frame, a drive chain meshed with said

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auxiliary wheel gear and said pedal drive wheel gear, said driven wheel gear being meshed with said auxiliary wheel gear in such manner that said drive wheel gear drives said driven wheel gear in the opposite direction.

7. The vehicle of claim 2 including at least one auxiliary wheel gear journaled from said frame, with said drive chain meshed with said auxiliary wheel gear and said driven wheel gear, said pedal drive wheel gear being meshed with said auxiliary wheel gear in such manner rotation of said pedal crank assembly drives said driven wheel gear in the opposite direction.
8. The vehicle of claim 1 including two auxiliary wheel gears journaled from said frame and meshed with each other for opposite rotation, a first drive chain meshed with a first auxiliary wheel gear and with the pedal drive wheel gear and a second drive chain meshed with said driven wheel gear and with a second auxiliary wheel gear.
9. The bicycle of claim (2) with said means for connecting said pedal drive wheel gear assembly and said driven wheel gear attached to an existing bicycle frame as a separate and supplementary assembly unit.

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